

IN THE CLAIMS

1. (cancelled)

2. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means, said control means controlling the stopping of transmission of the first signal concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein said external-apparatus identifying means determines whether the external apparatus is a storage apparatus that has a storage memory means for storing signals inputted through the interface, and said control means stops the transmission of the first signal to the external apparatus when said external-apparatus identifying means determines that the external apparatus is the storage apparatus having the storage memory means.

3. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means, said control means controlling the stopping of transmission of the first signal concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein said external-apparatus identifying means determines a version of the external apparatus, and said control means controls stopping of the transmission of the first signal to the external apparatus through said interface, in accordance with the determined version of the external apparatus.

4. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means,

said control means controlling the stopping of transmission of the first signal concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein said external-apparatus identifying means determines whether the external apparatus is a copyright-related apparatus that can control reproduction of data based on copyright-related information of the data, and said control means controls the transmission of the first signal to the external apparatus through the interface in accordance with the result of the determination

5. - 6. (cancelled)

7. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means, said control means controlling the stopping of transmission of the first signal concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein said control means controls the transmission of the first signal to the external apparatus through said

interface in accordance with an amount of the first signal to be transmitted to the external apparatus.

8. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means, said control means controlling the stopping of transmission of the first signal concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein said control means controls the transmission of the first signal to the external apparatus through said interface in accordance with a speed at which the first signal is to be transmitted to the external apparatus.

9. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus; and

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means,

wherein data-reproducing means is provided for reproducing the first signal from a recording medium, and said control means controls the transmission of the first signal to the external apparatus through said interface in accordance with the type of the recording medium concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data.

10. (cancelled)

11. (previously presented) A data transmitting apparatus comprising:

an interface connectable to various external apparatuses;

reproducing means for reproducing data;

external-apparatus identifying means for determining a type of an external apparatus connected to said interface and for outputting data representing the type of the external apparatus;

control means for controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus by said external-apparatus identifying means, said control means controlling the stopping of transmission of the first signal concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data; and

fee-charging means for charging a fee in accordance

with the transmission of the first signal through the interface, and said control means controls a fee-charging process performed by the fee-charging means in accordance with the result of determining made by the external-apparatus identifying means of the type of the external apparatus.

12. (cancelled)

13. (previously presented) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, said method comprising:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus, said controlling of the stopping of transmission of the first signal being concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein it is determined, in said step of determining the type of the external apparatus, whether the external apparatus is a data storage apparatus that has memory means for storing data input through the interface, and the transmission of the first signal to the external-apparatus is stopped in said step of controlling stopping of transmission of the first signal when said step of determining determines that the external apparatus is the data storage apparatus.

14. (previously presented) A data transmitting method

for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, said method comprising:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus, said controlling of the stopping of transmission of the first signal being concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein a version of the external apparatus is determined in said step of determining and the transmission of the first signal to the external apparatus is stopped in determining step of controlling stopping of transmission of the first signal when determining step of determining determines that the external apparatus is a data storage apparatus.

15. (previously presented) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, said method comprising:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus

through the interface in accordance with a result of the determining of the type of the external apparatus, said controlling of the stopping of transmission of the first signal being concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein it is determined, in the step of determining the type of the external apparatus, whether the external apparatus is a copyright-related one, and the transmission of the first signal to the external apparatus through the interface is stopped in said step of controlling stopping of transmission of the first signal in accordance with the result of determination.

16. - 17. (cancelled)

18. (previously presented) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, said method comprising:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus, said controlling of the stopping of transmission of the first signal being concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein the transmission of the first signal to the external apparatus through the interface is stopped in said step of controlling stopping of the transmission of the



first signal in accordance with an amount in which the first signal is to be transmitted to the external apparatus.

19. (previously presented) A data transmitting method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, said method comprising:

reproducing data from a record medium;

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus through the interface in accordance with a result of the determining of the type of the external apparatus, said controlling of the stopping of transmission of the first signal being concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data,

wherein the transmission of the first signal to the external apparatus through the interface is stopped in said step of controlling stopping of the transmission of the first signal in accordance with a speed at which the first signal is to be transmitted to the external apparatus.

20. (previously presented) A data transmission method for use in a data transmitting apparatus having an interface that can be connected to various external apparatuses, said method comprising:

determining a type of an external apparatus connected to the interface and outputting data representing the type of the external apparatus; and

controlling stopping of transmission of a first signal derived from the reproduced data to the external apparatus

through the interface in accordance with a result of the determining of the type of the external apparatus,

wherein a step of reproducing data is provided for reproducing the first signal from a recording medium, and the transmission of the first signal to the external apparatus through the interface is stopped in said step of controlling stopping the transmission of the first signal in accordance with the recording medium concurrent with said reproducing means reproducing the reproduced data and outputting a second signal derived from the reproduced data.

21. - 38. (cancelled)

39. (previously presented) A data transmitting apparatus for transmitting data reproduced from a recording medium, comprising:

an interface for transmitting a first signal derived from the reproduced data; and

fee-charging control means for performing a fee-charging process in accordance with the transmission of the first signal through said interface and for controlling the transmission of the first signal,

wherein said fee-charging control means performs a fee-charging process by updating, in accordance with the fee to be charged, fee data recorded on the recording medium that corresponds to a sum of fees that can be charged for the recording medium, and stops the transmission of the first signal through the interface when the fee data reaches or exceeds a predetermined value concurrent with the reproduced data being reproduced and a second signal derived from the reproduced data being outputted.

40. (previously presented) A data transmitting apparatus for transmitting data reproduced from a recording medium,

comprising:

an interface for transmitting a first signal derived from the reproduced data; and

fee-charging control means for performing a fee-charging process in accordance with the transmission of the first signal through said interface and for controlling the transmission of the first signal,

wherein said fee-charging control means performs the fee-charging process by sequentially recording fee data, in accordance with the fee to be charged, in a region provided in the recording medium and corresponding to a sum of fees that can be charged for the recording medium, and stops the transmission of the first signal through said interface when the region corresponding to the sum of fees decreases in size to a predetermined size or becomes smaller than the predetermined size concurrent with the reproduced data being reproduced and a second signal derived from the reproduced data being outputted.

41. (previously presented) A data transmitting method for use in a data transmitting apparatus for transmitting, through an interface, a first signal derived from data reproduced from a recording medium, said method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of the first signal through the interface and controlling the transmission of the first signal,

wherein said fee-charging control step performs the fee-charging process by updating, in accordance with the fee to be charged, fee data recorded on the recording medium that corresponds to a sum of fees that can be charged for the recording medium, and stops the transmission of the first signal through the interface when the fee data reaches or exceeds a predetermined value

concurrent with the reproduced data being reproduced and a second signal derived from the reproduced data being outputted.

42. (previously presented) A data transmitting method for use in a data transmitting apparatus for transmitting, through an interface a first signal derived from data reproduced from a recording medium, said method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of the first signal through the interface and controlling the transmission of the first signal,

wherein said fee-charging control step performs the fee-charging process by sequentially recording fee data, in accordance with the fee to be charged, in a region provided in the recording medium and corresponding to a sum of fees that can be charged for the recording medium, and stops the transmission of the first signal through the interface when the region corresponding to the sum of fees decreases in size to a predetermined size or becomes smaller than the predetermined size concurrent with the reproduced data being reproduced and a second signal derived from the reproduced data being outputted.

43. (previously presented) A data recording medium recorded with instructions for carrying out a data transmitting method in a data transmitting apparatus for transmitting, through an interface, a first signal derived from data reproduced from another recording medium, said method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of the first signal through the interface and controlling the transmission of the first signal,

wherein said fee-charging control step performs the

fee-charging process by updating, in accordance with the fee to be charged, fee data recorded on the another recording medium that corresponds to a sum of fees that can be charged for access to the another recording medium, and stops the transmission of the first signal through the interface when the fee data reaches or exceeds a predetermined value concurrent with the reproduced data being reproduced and a second signal derived from the reproduced data being outputted.

44. (previously presented) A data recording medium recorded with instructions for carrying out a data transmitting method in a data transmitting apparatus for transmitting, through an interface, a first signal derived from data reproduced from another recording medium, said method comprising:

a fee-charging control step of performing a fee-charging process in accordance with the transmission of the first signal through the interface and controlling the transmission of the first signal,

wherein said fee-charging control step performs the fee-charging process by sequentially recording fee data, in accordance with the fee to be charged, in a region provided in the another recording medium and corresponding to a sum of fees that can be charged for access to the another recording medium, and stops the transmission of the first signal through the interface when the region corresponding to the sum of fees decreases in size to a predetermined size or becomes smaller than the predetermined size concurrent with the reproduced data being reproduced and a second signal derived from the reproduced data being outputted.

45. (previously presented) The data transmitting apparatus according to claim 2, wherein the first signal is a

digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

46. (previously presented) The data transmitting apparatus according to claim 3, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

47. (previously presented) The data transmitting apparatus according to claim 4, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

48. (previously presented) The data transmitting apparatus according to claim 7, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

49. (previously presented) The data transmitting apparatus according to claim 8, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

50. (previously presented) The data transmitting apparatus according to claim 9, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

51. (previously presented) The data transmitting apparatus according to claim 11, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

52. (previously presented) The data transmitting method according to claim 13, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

53. (previously presented) The data transmitting method according to claim 14, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

54. (previously presented) The data transmitting method according to claim 15, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

55. (previously presented) The data transmitting method according to claim 18, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

56. (previously presented) The data transmitting method according to claim 19, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

57. (previously presented) The data transmitting method according to claim 20, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

58. - 59. (cancelled)

60. (previously presented) The data transmitting apparatus according to claim 39, wherein the first signal is a

digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

61. (previously presented) The data transmitting apparatus according to claim 40, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

62. (previously presented) The data transmitting method according to claim 41, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

63. (previously presented) The data transmitting method according to claim 42, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

64. (previously presented) The data recording medium according to claim 43, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.

65. (previously presented) The data recording medium according to claim 44, wherein the first signal is a digital audio signal, and the second signal is a signal selected from the group consisting of an analog audio signal, a digital video signal, and an analog video signal.